

## ABSTRACT:

A core (1) for use in a magnetic coil with a filled first gap (2) is realized through the provision of the first gap (2), filling of the first gap (2) with a curable synthetic resin (3), and curing of said resin (3). After curing, the synthetic resin is substantially homogeneously distributed over the first gap (2) and has a concave surface (17). The  
5 synthetic resin (3) may contain a filler, which preferably substantially consists of a magnetic material.

Fig. 1